



A Revolutionary Plant Injection System

Microinjectable Systemic Insecticide for use with the Arborjet Injection System in the Management of Specific Insect Pests of Trees, Landscape Ornamentals & Interior Plantscapes

Active Ingredient:

Imidacloprid

1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2

imidazolidinime . . . . . 5.0%

Other ingredients . . . . . 95.0%

Total . . . . . 100.0%

EPA Reg. No. 74578-1 • EPA Est. No. 432-TX-1

## STOP

**Read the entire label before use.**

## KEEP OUT OF REACH OF CHILDREN

### WARNING

Precaucion al usuario: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

To the user: If you cannot read or understand English, do not use this product until the label has been fully explained to you.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** Harmful if swallowed, inhaled or absorbed through the skin. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming plants or weeds. Do not apply this product or allow it to drift to blooming plants or weeds if bees are visiting the treatment areas.

### FIRST AID

#### IF SWALLOWED

- Call Poison Control Center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

#### IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present after 5 minutes, then continue rinsing eye.
- Call a Poison Control Center or doctor for further treatment advice.

#### IF INHALED

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a Poison Control Center or doctor for further treatment advice.

#### IF ON SKIN OR CLOTHING

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a Poison Control Center or doctor for further treatment advice.

**Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the Infotrac Chemical Emergency Response System at 1 800 535 5053.**

*Note to Physician:*

*No specific antidote is available. Treat the patient symptomatically.*

### DIRECTIONS FOR USE

***It is in violation to use this product in a manner inconsistent with its labeling.***

***IMPORTANT: Read the entire label before use. Failure to follow label directions may result in poor control or plant injury. Failure to follow label directions may cause injury to people, animals and environment. The buyer accepts and understands that failure to follow label directions is the responsibility of the buyer.***

### APPLICATION TO ORNAMENTALS

IMA-jet is for use on ornamentals in residential, commercial and interior plantscapes. IMA-jet is a systemic insecticide formulated to translocate in the plant vascular system from the microinjection site(s). To assure optimum effectiveness, this product must be placed into the active sapwood.

**NOTE:** For optimum control, trees should be thoroughly irrigated following injection treatment.

### GENERAL DIRECTIONS

IMA-jet for use **ONLY** with Arborjet Injection Systems, including VIPER and STINGER technologies.

Measure the tree at chest height (54" from ground) in inches. If measuring circumference, divide this number by three to determine Diameter Breast Height (DBH). Refer to tables below to determine appropriate application rate.

Make applications to actively growing trees in full leaf. Conditions that favor transpiration (i.e., sunny, breezy, low humidity) are optimal for injection uptake.

### COMPATIBILITY

MA-jet systemic insecticide is compatible with Arborjet infusible insecticides, fungicides and fertilizers. However, the physical compatibility of IMA-jet insecticide in tank mixes should be tested before use. To determine the physical compatibility of IMA-jet with other products, use a jar test as described below:

1. Using a pint jar, add the proportionate amounts of the products to 1 pint of water.
2. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed, it is physically compatible. If precipitates form, the combination is incompatible.
3. Once compatibility has been proven acceptable, use the same procedure for adding required ingredients to the formulation tank.

**Note:** The safety of all potential tank mixes on all trees listed on this label may not have been tested. Before applying any tank mixture not specifically recommended on this label, the safety to the target tree should be confirmed.

It is not advisable to apply pesticides via trunk injection or infusion applications that do not completely dissolve or disperse in solution. Application of liquid flowables, suspension concentrates or dispersible granules that do not completely dissolve is NOT recommended.

## ARBORJET MICROINJECTION & MICRO-INFUSION PROCEDURES

Inject into tree roots, exposing them by shallow excavation or, alternatively into the trunk tissue immediately above the trunk flare, selecting the injection site in the first few xylem elements (i.e., active sapwood). Microinject circumferentially around the tree, injecting no closer than 6 inches apart. Refer to Tree Diameter Table below to determine the optimum number of injection sites to apply. DO NOT microinject trees stressed by protracted drought. Irrigate trees following treatment for optimal product uptake.

Basic Arborjet VIPER and STINGER Procedures: Drill 5/8" deep into the sapwood using the appropriate sized drill bit. Drill bits should be clean and sharp.

A. Set an Arborplug<sup>®</sup> in place using the set tool and mallet. For small hardwoods (<12"DBH) use either the #2 (7/32" diameter) or #3 (9/32" d) Arborplug<sup>®</sup>; for larger hardwoods use the #3 Arborplug<sup>®</sup>. For small diameter (<12"DBH) conifers, use the #3 Arborplug<sup>®</sup>, and the #4 (3/8" d) in larger diameter trees. Using the VIPER needle, pierce the internal septum to start the injection or infusion process. Remove VIPER needle upon the completion of the infusion process.

B. Alternatively set the #1 (1/16" d) or #2 (13/64" d) STINGER (removable injector tips) by gently tapping the injector tip with a mallet. Remove STINGERS upon completion of infusion process.

## ENVIRONMENTAL HAZARDS

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## RESTRICTIONS

Do not use on syrup-producing sugar maples where sap is harvested. To enhance product uptake and efficacy, dilute ONLY with Arborjet Aqueous Diluent. Follow label directions.

## NOTICE OF WARRANTY

ARBORJET, Inc makes no warranty of fitness of this product for any other purpose, beyond its uses under normal conditions in keeping with the statements made on this label.

## RECOMMENDED USE IN TREES AND ORNAMENTALS

<b>CROP</b> Trees Shrubs Evergreens Interior Landscapes Palms	<b>PEST</b> Adelgids (including Hemlock Woolly Adelgid) Aphids Leaf Beetles (including Elm and Willow leaf beetles) Lacebugs Leafhoppers Leaf miners Mealybugs Psyllids Scale Insects Thrips Whiteflies	<b>RATE</b> 2.0 ml DBH
<b>CROP</b> Trees Shrubs Evergreens Interior Landscapes Palms	<b>PEST</b> Black Vine Weevil Larvae Buprestid Borers (including Bronze Birch Borer) Flatheaded Borers Japanese Beetle Longhorned Borers (including Eucalyptus Longhorned Beetles) Pine Tip Moth Larvae Royal Palm Bugs Sawfly Larvae	<b>RATE</b> 4.0 ml DBH

## Tree diameter, range of trunk application sites and Arborplug<sup>®</sup> size selection table

Tree DBH	# Application Sites (Tree I.V.)	# Application Sites (Air/Hydraulic or Hand-operated)	Size Arborplug <sup>®</sup> (hardwoods)	Size Arborplug <sup>®</sup> (conifers)
<12"	4	4	#2, #3	#3
12"	4	6	#2, #3	#4
16"	4	8	#3	#4
20"	5	10	#3	#4
24"	6	12	#3	#4
28"	7	14	#3	#4
32"	8	16	#3	#4
36"	9	18	#3	#4
>36"	Use DBH/4	Use DBH/2	#3	#4

## Recommended Use in Forest and Woodland Areas

MA-jet microinjectable insecticide may be used for the control of various pests in Forested and Woodland Areas. See application recommendations below.

Crop	Pest	Tree DBH	Rate/DBH
Forest areas: Non-urban Forests, Tree Plantations, Planted Christmas Trees, Parks, Rural Shelter Belts, Rangeland Trees, and Woodland Trees including Conifers	Adelgids (including Hemlock Woolly Adelgid), Aphids Leaf Beetles (including elm and willow leaf beetles) Lacebugs, Leafhoppers, Leafminers Mealybugs, Psyllids, Scale Insects, Thrips and Whiteflies	2-11 inches	2 ml/DBH
		12-23 inches	4 ml/DBH
		24-35 inches	6 ml/DBH
		36 + inches	8 ml/DBH
	Black Vine Weevil Larvae, Buprestid Borers (including Bronze Birch Borer and Emerald Ash Borer), Flatheaded Borers, Japanese Beetle, Longhorned Borers (including Eucalyptus Long-horned Beetles), Pine Tip Moth Larvae, Royal Palm Bugs and Sawfly Larvae	2-11 inches	4 ml/DBH
		12-23 inches	8 ml/DBH
		24-35 inches	12 ml/DBH
		36 + inches	16 ml/DBH

## RESINOUS CONIFERS

In resinous conifers, such as pine and spruce start the injection and/or infusion process immediately following the setting of the Arborplug<sup>®</sup> into the sapwood. A prolonged delay may reduce uptake efficacy on account of resin flow.

## MONOCOTS

In palm, drill a pilot hole to 5" depth (into the stem vascular bundle) and insert the palm needle to complete the application. Apply from one to four sites around the tree. Make applications into the stem, below the primary meristem. Avoid wounding the meristematic tissue located within the crown of the plant. In general, make applications to the lower trunk region, typically within 12" of the soil.

## FOR USE UNDER USDA SUPERVISION ONLY

CROP	PEST	TREE DBH	RATE/DBH
Host trees including Elm, Maple, Birch, Willow, Box elder, Horsechestnut, Buckeye, European Mountain Ash, Ash, Poplar, Albizzia, London Plane, and Sycamore	Asian Longhorned Beetle	2-11" →	4.0 ml
		12-23" →	8.0 ml
		24-35" →	16.0 ml
Hardwood and Fruit Trees	Citrus Longhorned Beetle	36"+ →	24.0 ml

## CONTAINER DISPOSAL:

Triple rinse. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

## STORAGE:

Store bottles in a cool, dry place, above 45° F. Store in original container out of reach of children, preferably in a locked storage area.

## PESTICIDE DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**ARBORJET**  
A Revolutionary Plant Injection System

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